

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050012

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G10L19/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03G G10L H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 198 32 472 A1 (ROBERT BOSCH GMBH) 27 January 2000 (2000-01-27) column 4, line 18 – column 5, line 7 column 5, line 49 – line 54; figure -----	1,2,4-7, 10,11, 13-15, 17,19,20
A	EP 0 554 962 A (NOVANEX AUTOMATION N.V) 11 August 1993 (1993-08-11) abstract column 1, line 39 – line 50 -----	3,12
A	EP 1 170 727 A (NEC CORPORATION) 9 January 2002 (2002-01-09) paragraph ‘0004! – paragraph ‘0006! ----- -/-	1-20

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

23 March 2005

Date of mailing of the international search report

19/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/196951 A1 (TSAI KUO-LIANG) 26 December 2002 (2002-12-26) abstract -----	1,10,19
A	PAR VAN DE S ET AL: "A new psychoacoustical masking model for audio coding applications" 2002 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS. (ICASSP). ORLANDO, FL, MAY 13 - 17, 2002, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (ICASSP), NEW YORK, NY : IEEE, US, vol. VOL. 3 OF 4, 13 May 2002 (2002-05-13), pages II-1805, XP002256785 ISBN: 0-7803-7402-9 -----	

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Information on patent family members

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PCT/IB2005/050012

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19832472	A1	27-01-2000	WO	0004636 A1		27-01-2000
EP 0554962	A	11-08-1993	NL	9200237 A		01-09-1993
			EP	0554962 A1		11-08-1993
EP 1170727	A	09-01-2002	JP	2002023799 A		25-01-2002
			CA	2352416 A1		05-01-2002
			EP	1170727 A2		09-01-2002
			US	2002004718 A1		10-01-2002
US 2002196951	A1	26-12-2002		NONE		